





Installation Instructions PowerBoard














Automatic Retracting Running Board

Vehicle Application

- Ford F150 Super Crew Cab
2004 – 2008 (6.5 ft.)
Part Number: 75105-15

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INSTALLATION TIME	SKILL LEVEL
	
4 Hours	4 - Difficult

TOOLS				
 Tape Measure	 Flat-Head Screwdriver	 Phillips Screwdriver	 Wrench 13mm	 Socket 8mm, 10mm & 13mm
 Ratchet	 Extension 3/16" & 4mm	 Allen Wrench	 Crimp Tool	 Wire Cutters
 Wire Stripper	 Electrical Tape	 Safety Glasses		



! WARNING The manufacturer strongly recommends that this product be professionally installed.

! WARNING Failure to carefully follow the electrical installation steps could result in severe electrical shock which could harm the installer and/or damage the vehicle.

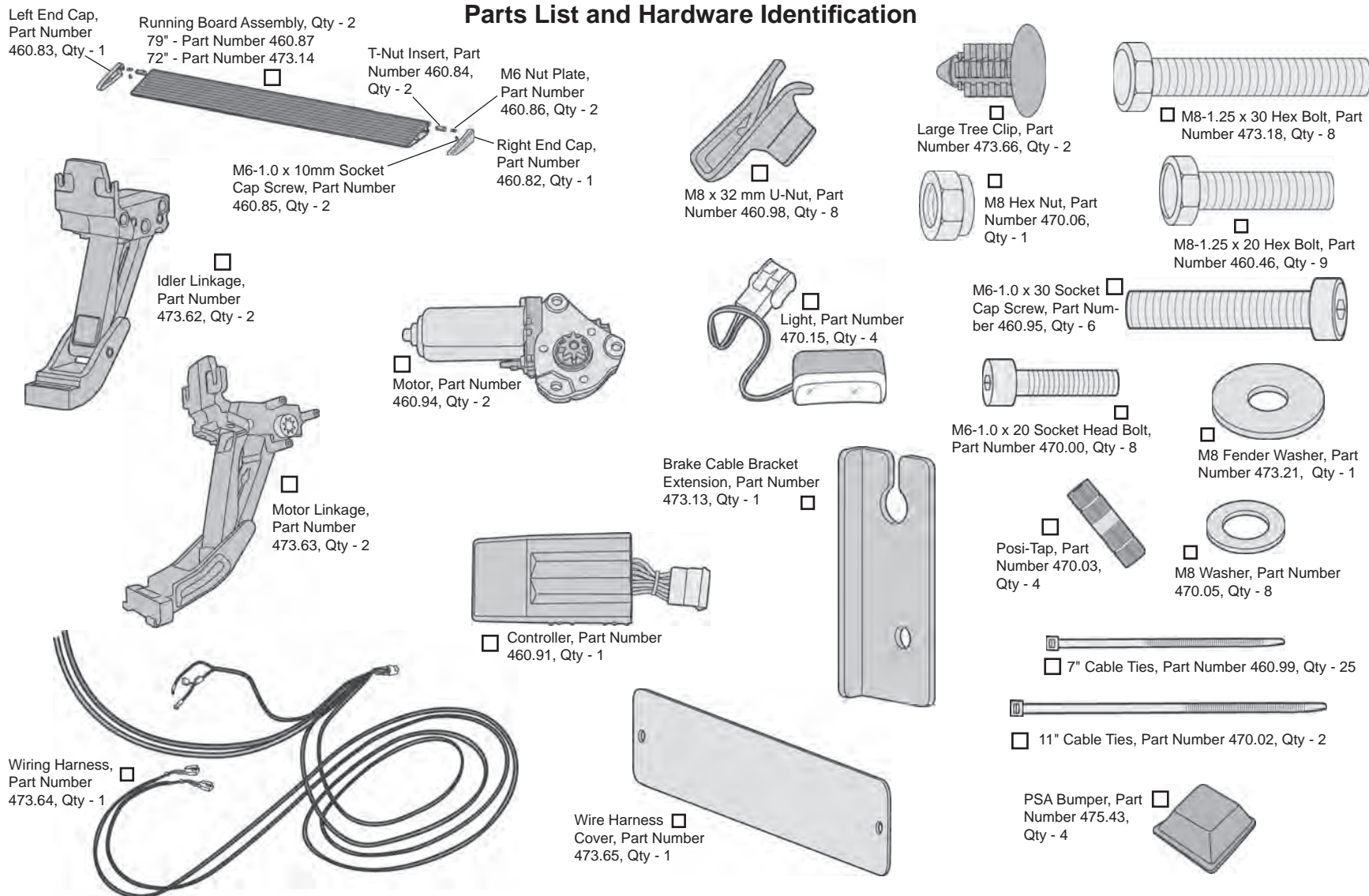
! WARNING This product is designed primarily to enhance the appearance of the vehicle and to shield the occupants from ordinary weather conditions. Do not rely in any way on the components of this product to contain occupants within the vehicle, or to protect against injury or death in the event of an accident. This product will not protect the occupants from falling objects. Never operate the vehicle in excess of manufacturer's specifications.

WEAR SEAT BELTS AT ALL TIMES

Read and follow, precisely, all installation instructions provided when installing product. Failure to do so may result in a poor fit and could place occupants of the vehicle in a potentially dangerous situation.

PowerBoard – Installation Instructions

Parts List and Hardware Identification

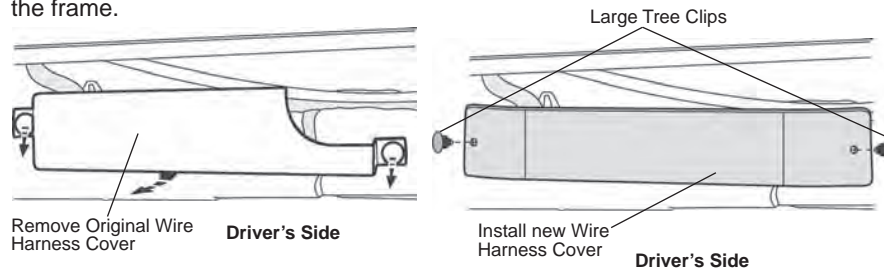


PowerBoard – Installation Instructions

1 Remove Original Wire Harness Cover and Install New Wire Harness Cover

Locate the Wire Harness Cover attached to the frame under the door on the driver's side of the vehicle. Remove the two Tree Clips that secure the cover to the frame and remove the cover.

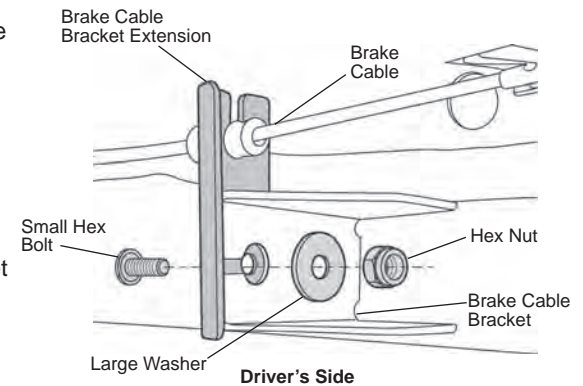
Bend the new Wire Harness Cover supplied in the parts kit into position and use the two Large Tree Clips from the parts kit to attach it to the same holes in the frame.



2 Install Brake Cable Bracket Extension

Locate the Brake Cable Bracket Extension in the parts kit.

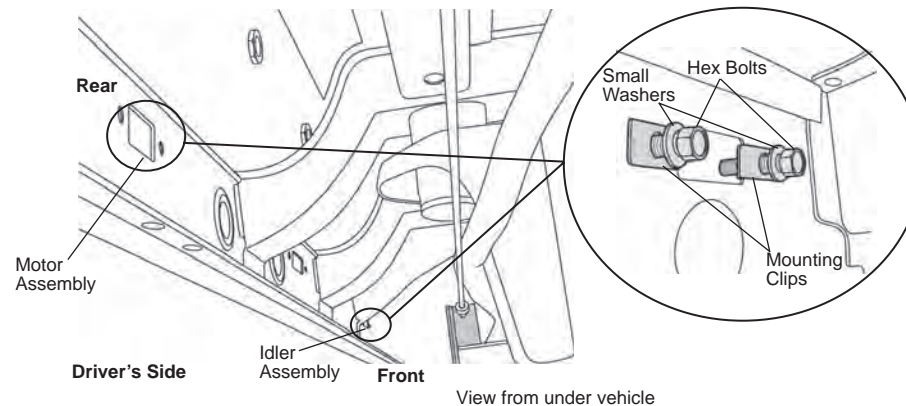
Slide the brake cable out of the Brake Cable Bracket on the vehicle. Use a Small Hex Bolt, the Large Washer and the Hex Nut to attach the Brake Cable Bracket Extension to the Brake Cable Bracket through the hole for the brake cable. Raise the brake cable into the opening in the Brake Cable Bracket Extension.



NOTE When you raise the brake cable into position, first pull downward to create slack.

3 Install Mounting Clips - Driver's Side

Counting from the front, locate the first (1st) and last set of mounting holes on the inner sill. Use a Small Hex Bolt and a Small Washer to install a Mounting Clip on each side of each hole. Do not tighten the bolts at this time.



PowerBoard – Installation Instructions

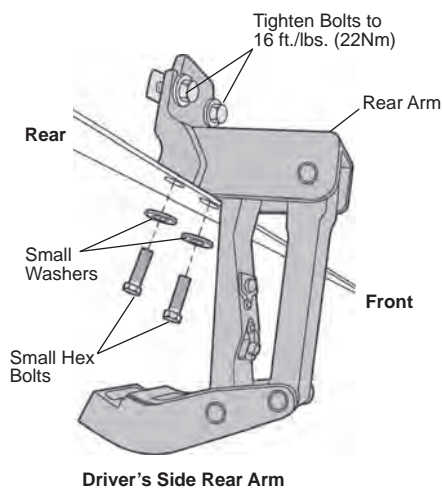
4 Install Linkage and Trim Clip - Driver's Side

The Motor Linkage mounts to the rear of the vehicle, except for the passenger side of Super Cabs. If you have a Super Cab, mount the Motor Linkage to the front on the passenger side only. Slip the notches in the Arms under the bolts and washers installed in Step One. Tighten these bolts to 16 ft./lbs (22Nm).

Secure the bottom of the Arms with two Small Hex Bolts and Small Washers. Do not tighten the bolts yet.

NOTE

If the sheet metal holes are misaligned, you may need to file off the edge of the sheet metal.



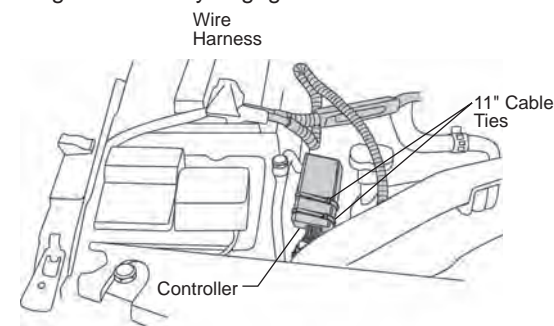
5 Remove Fan Shroud

Remove the fan shroud. Set it aside to be reinstalled later.



6 Install Controller

Use the 11" Cable Ties to mount the Controller to the factory conduit. Route the Wire Harness under the core support and down to the Controller. Connect the harness to the Controller. Make sure the Connector locking tabs are fully engaged.

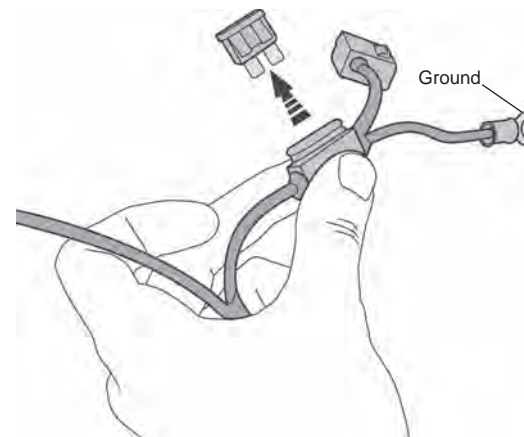


WARNING

Remove the fuse from the Wiring Harness.

7 Remove Fuse from Wiring Harness

Remove the fuse from the Wiring Harness. Failure to do so could result in severe electrical shock which could harm the installer and/or damage the vehicle.

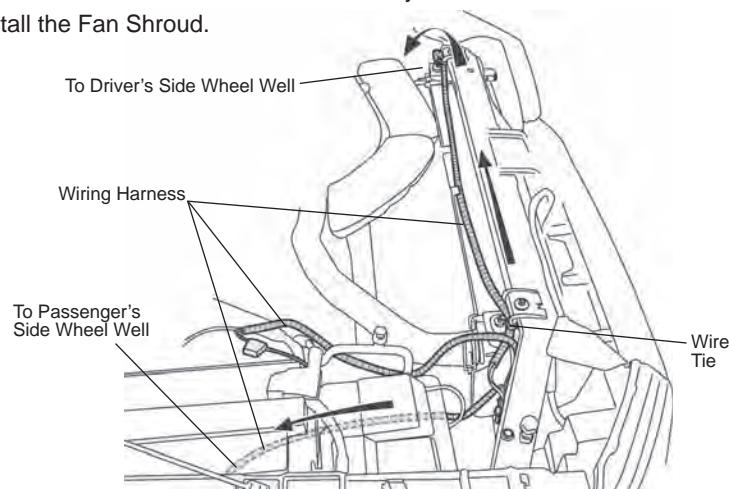


PowerBoard – Installation Instructions

8 Attach Wiring Harness to Battery

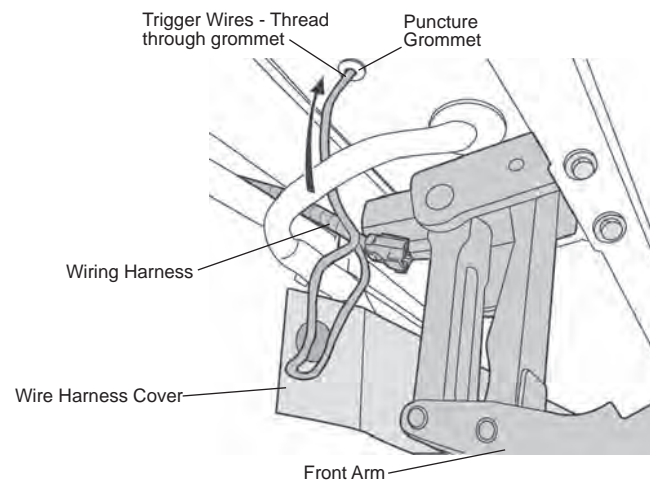
Connect the red power lead to the positive battery terminal and the black lead to the negative terminal. Route the longer leg of the harness across the front of the engine compartment and down to driver's side wheel well. Route the shorter leg to the wheel well on the passenger's side. Use the wire ties in the parts kit to secure the harness out of the way.

Reinstall the Fan Shroud.



9 Install Trigger Wires

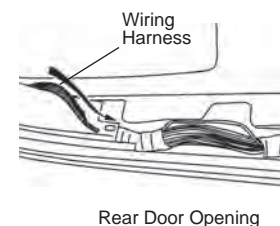
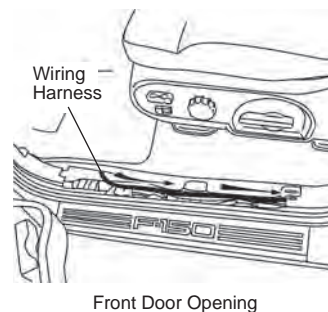
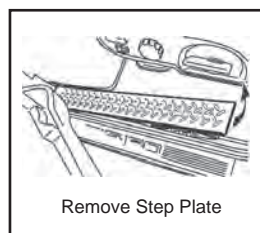
Puncture the grommet in the firewall and thread the four Trigger Wires from the Wiring Harness through the firewall.



10 Remove Driver's Side Front and Rear Step Plates

Remove the Step Plates from the front and rear door openings on the driver's side. Roll back the carpet to access the wiring underneath.

Pull the wires from the grommet along the door opening next to the wire harness to the rear door opening.



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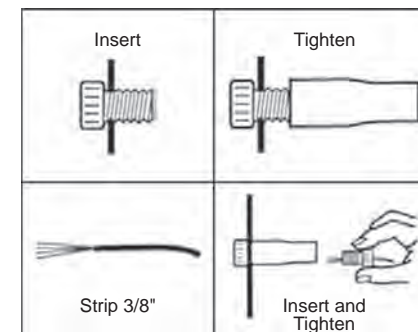
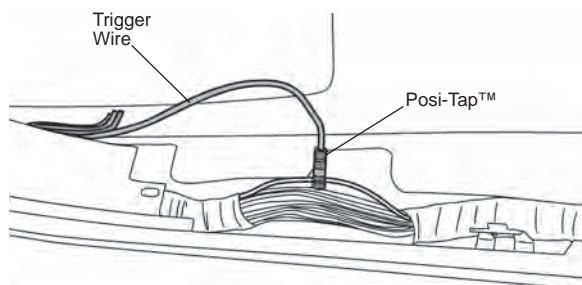
11 Connect Wires

Locate the appropriate signal wires as shown in the table.

Use the Posi-Taps™ to splice the trigger wires into the corresponding door ajar wires. The SuperCrew is the only application with four doors so it is the only one that will use all four (4) wires. Tape off the unused trigger wires on the SuperCab and Regular Cab.

NOTE There will be three (3) Black wires with Blue Stripes. Use the one that looks unique (ie. has a different blue stripe either weight or shade).

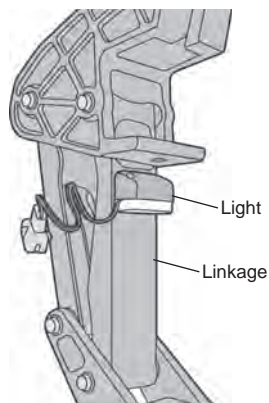
SUPERCREW	SUPERCAB	REGULAR CAB
Black / Yellow	Black / Yellow	Black / Yellow
Black / Pink	Black / Pink	Black / Pink
Black / Blue		
Black / White		



Posi-Tap™ Instructions

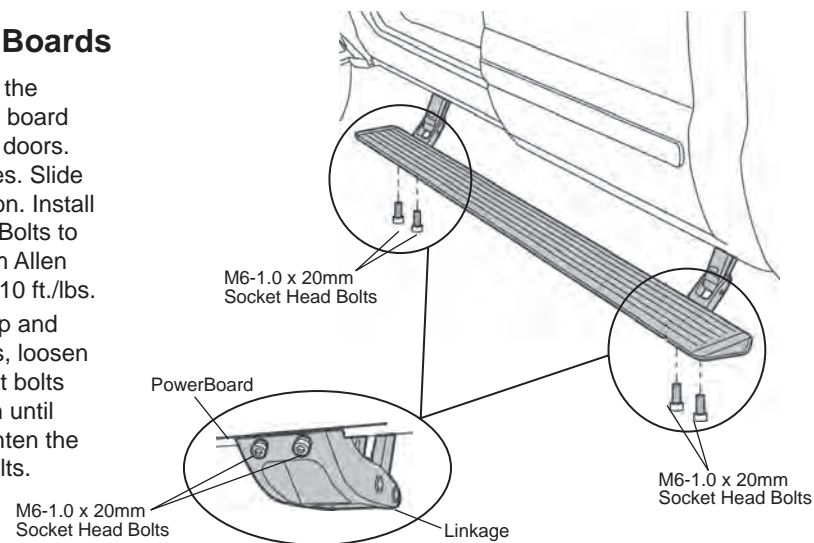
12 Install Lights

Clean the outboard surface of the of the Linkage below the bottom mounting bolt. Peel the adhesive liner off the back of the Light and firmly press it 1/8" below the mounting bolt. Plug the light into the connector with the black and orange wires in the wire harness. Repeat with the other three lights. Secure loose wires with Cable Ties.



13 Install Running Boards

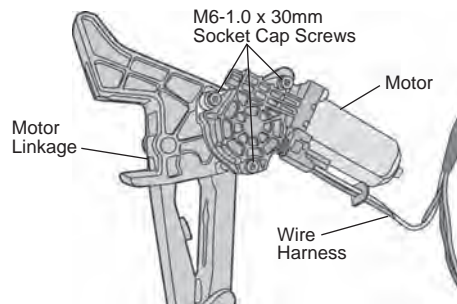
Orient the Running Boards on the vehicle aligning the rear of the board with the rear edge of the back doors. Mount the Steps to the linkages. Slide the mounting T-Nut into position. Install M6-1.0 x 20mm Socket Head Bolts to secure the boards. Use a 5mm Allen Wrench to tighten the bolts to 10 ft./lbs. Make sure the board moves up and down freely by hand. If it binds, loosen the linkage to body attachment bolts and adjust the linkage position until the boards move freely. Retighten the linkage to body attachment bolts.



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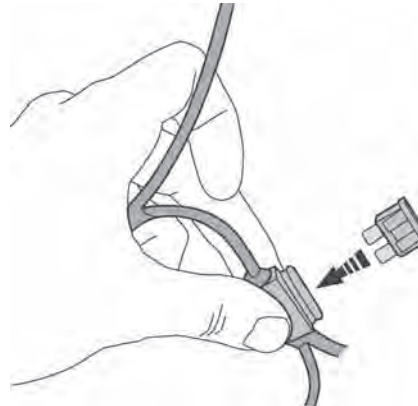
14 Install Motor

Slide Motor assembly onto drive shaft and mounting bosses of Motor Linkage assembly. Use three (3) M6-1.0 x 30mm Socket Cap Screws to secure Motor. Plug female connector into Motor. Wrap any exposed wires from the motor with electrical tape.



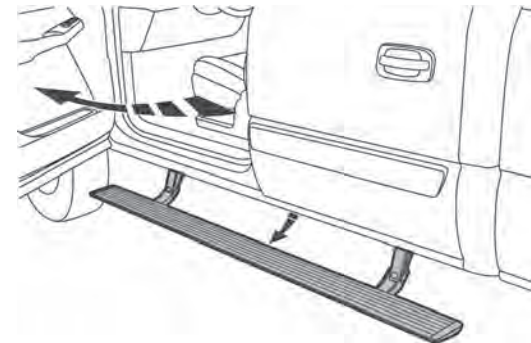
15 Reinstall Fuse

Reinstall the fuse in the harness.



16 Test Doors

Open the doors to make sure that the PowerBoard drops into position on each side of the vehicle.

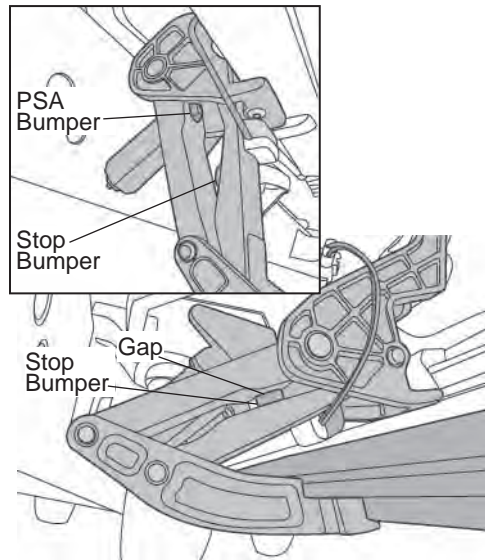


17 Install PSA Bumper – Optional

Due to variations in vehicle build, the PowerBoards may contact the vehicle body when in the up position. If you would like to stop the board's travel earlier, install the supplied PSA Bumpers to the inner links or stick the bumper to the body at the location of contact.

To stop the board travel earlier, look for the area on the inner link where the Stop Bumper on the outer link would make contact if the board did not stop early (see gap in illustration).

Open the door to lower the board. Stand on the board to keep it in the down position and shut the door. Remove the fuse. Peel the backing off of the PSA Bumper and stick it to the surface on the inner link where the Stop Bumper will contact it. Do this on both idler and motor links. Reinstall the fuse and check to make sure the Stop Bumper hits the PSA Bumper when the doors are shut.



18 Reinstall Step Plates

Once you have checked that the Steps function properly, reinstall the Step Plates.

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LIMITED WARRANTY

We warrant our product to be free from defects in material and workmanship, for the terms specified below, provided there has been normal use and proper maintenance. This warranty applies to the original purchaser only. All remedies under this warranty are limited to the repair or replacement of any item or items found by the factory to be defective within the time period specified. If you have a warranty claim, first you must call our factory at the number below for instructions. You must retain proof of purchase and submit a copy with any items returned for warranty work. Upon completion of warranty work, if any, we will return the repaired or replaced item or items to you freight prepaid. Damage to our products caused by accidents, fire, vandalism, negligence, misinstallation, misuse, Acts of God, or by defective parts not manufactured by us, is not covered under this warranty.

THE WARRANTY TIME PERIOD IS AS FOLLOWS FOR ALL PowerBoards MANUFACTURED BY OUR COMPANY: THREE YEARS / 36,000 MILES FROM DATE OF PURCHASE.

ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE CREATED HEREBY ARE LIMITED IN DURATION TO THE SAME DURATION AND SCOPE AS THE EXPRESS WRITTEN WARRANTY. OUR COMPANY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE.

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